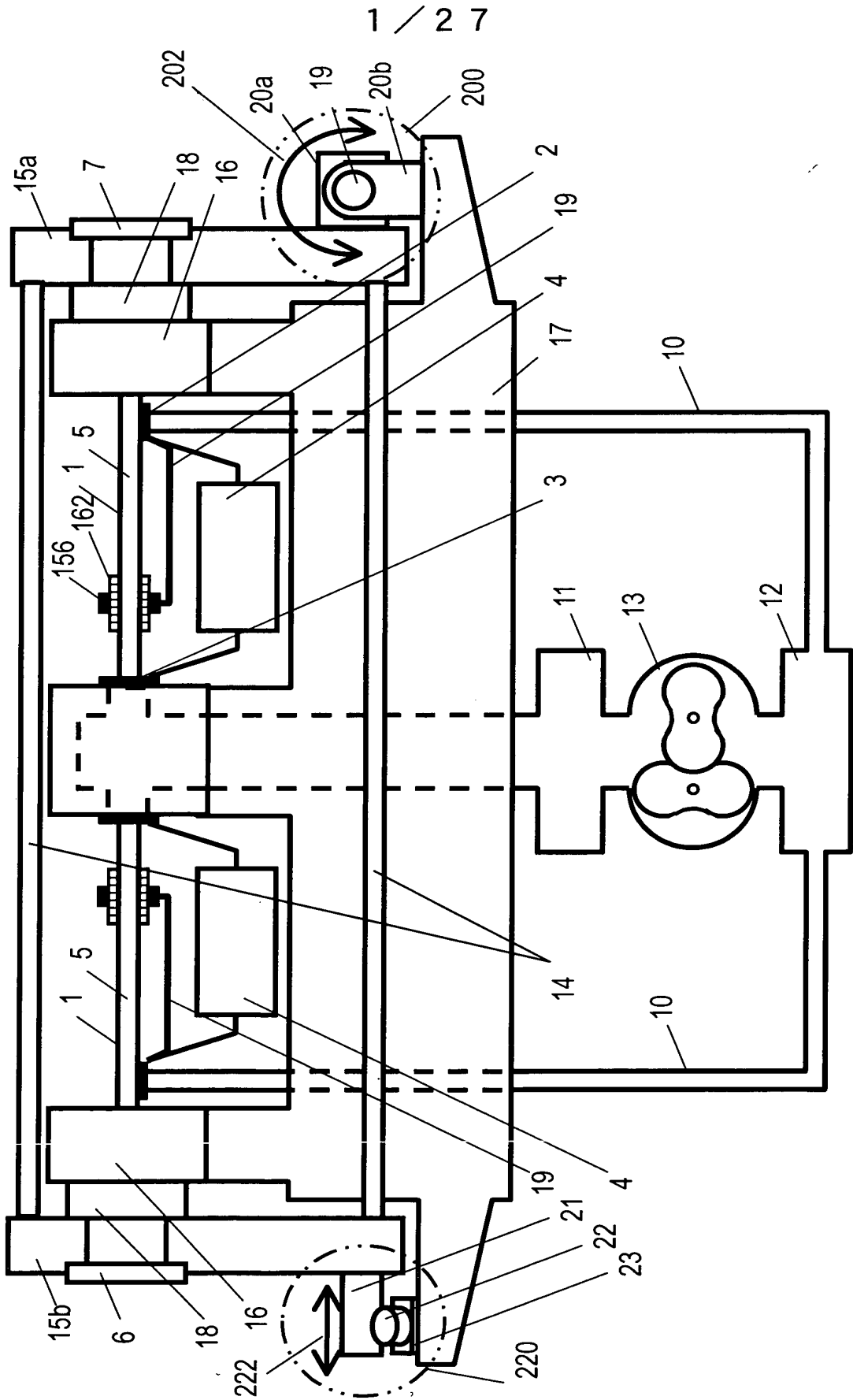
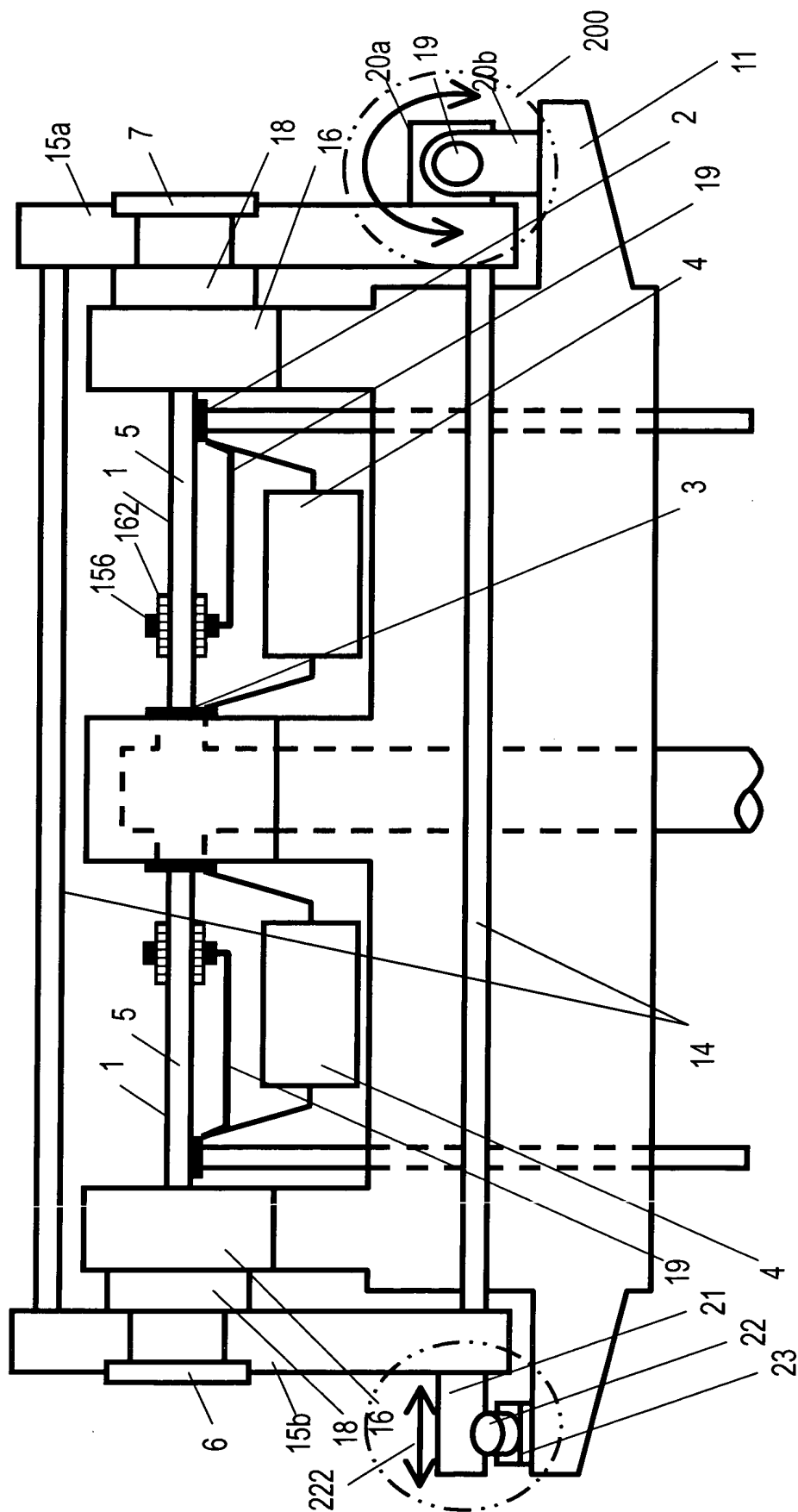


FIG.1



2 / 27

FIG.2



3 / 2 7

FIG.3B

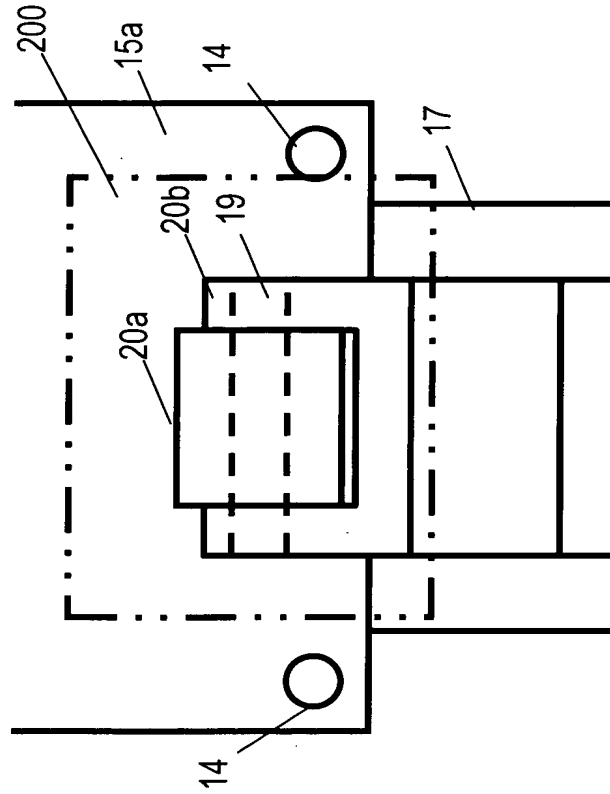
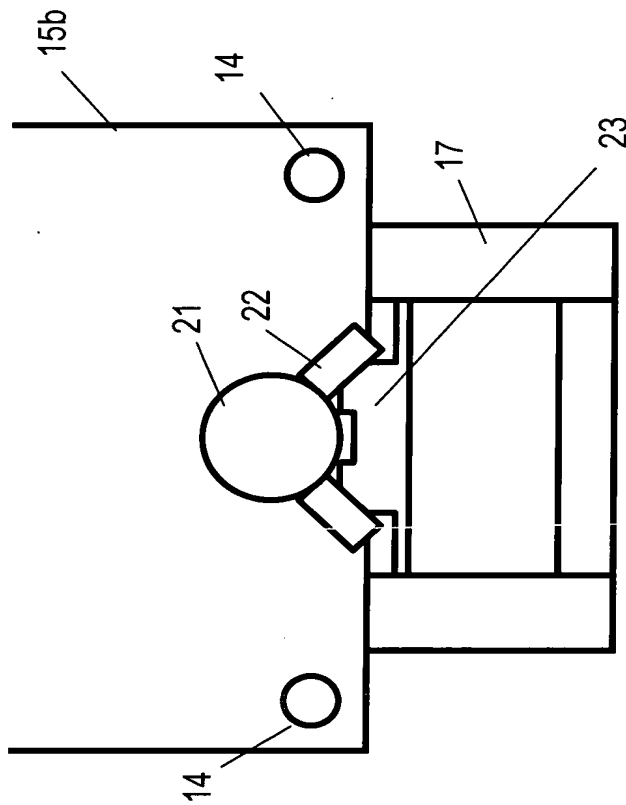
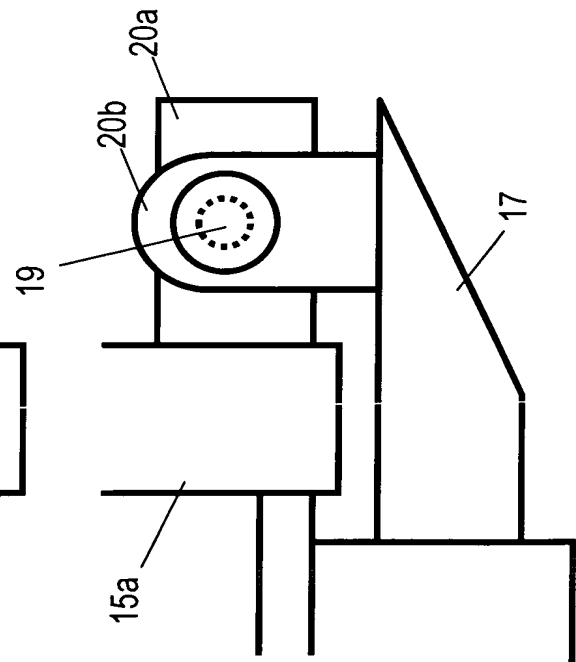
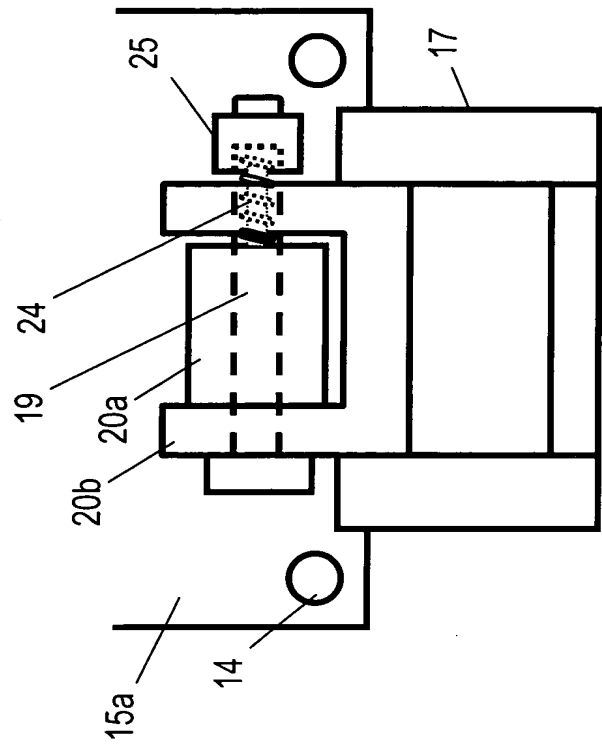
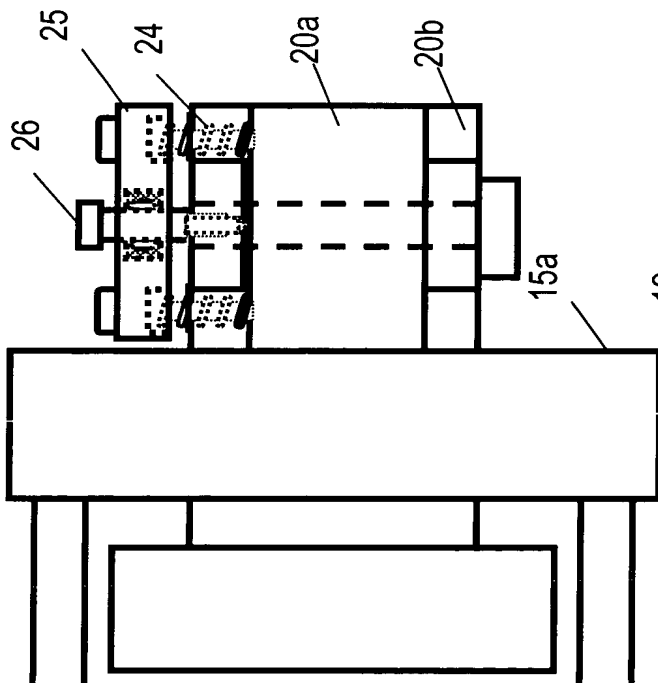


FIG.3A



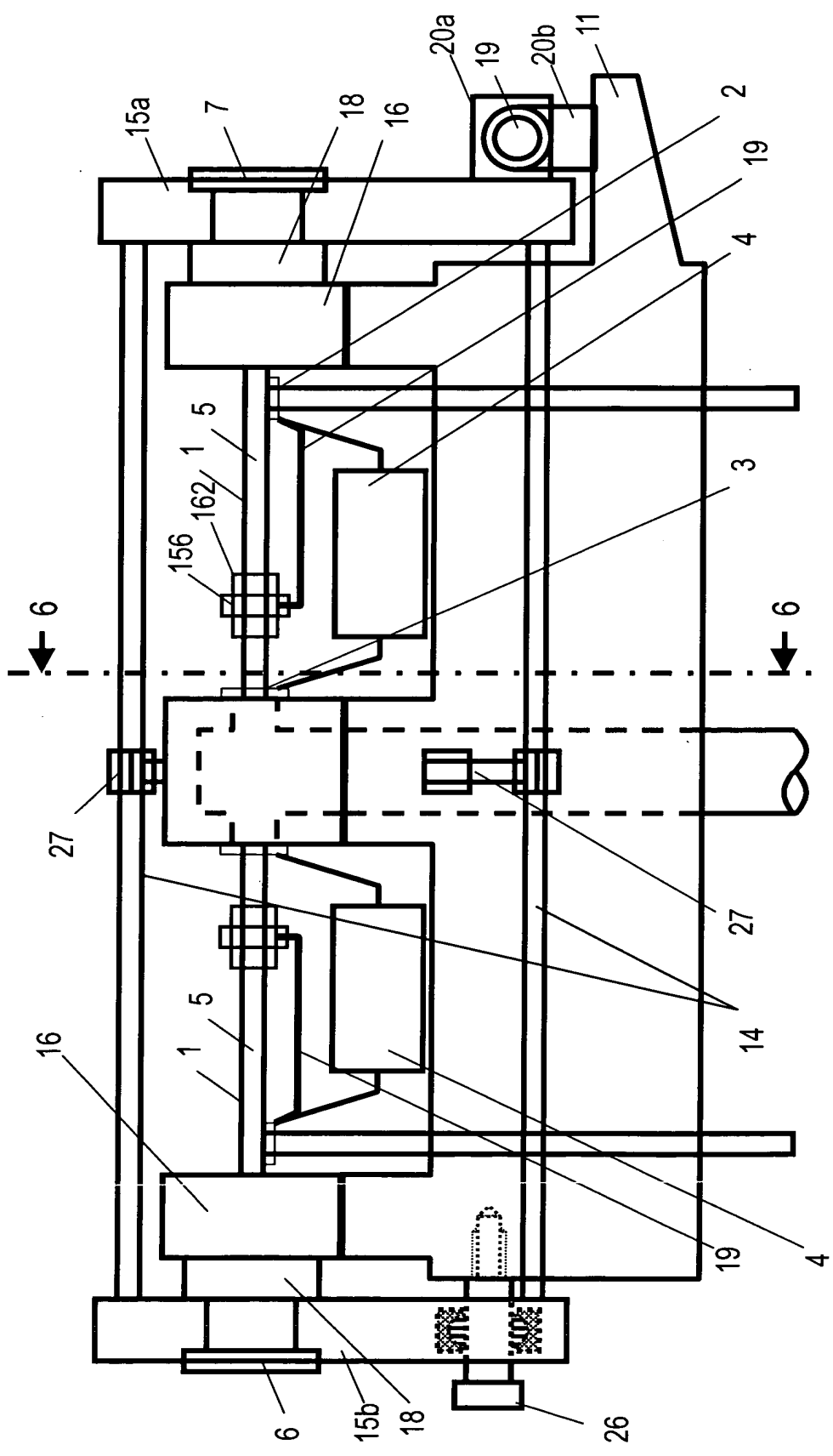
4 / 2 7

FIG.4



5 / 27

FIG.5A



6 / 2 7

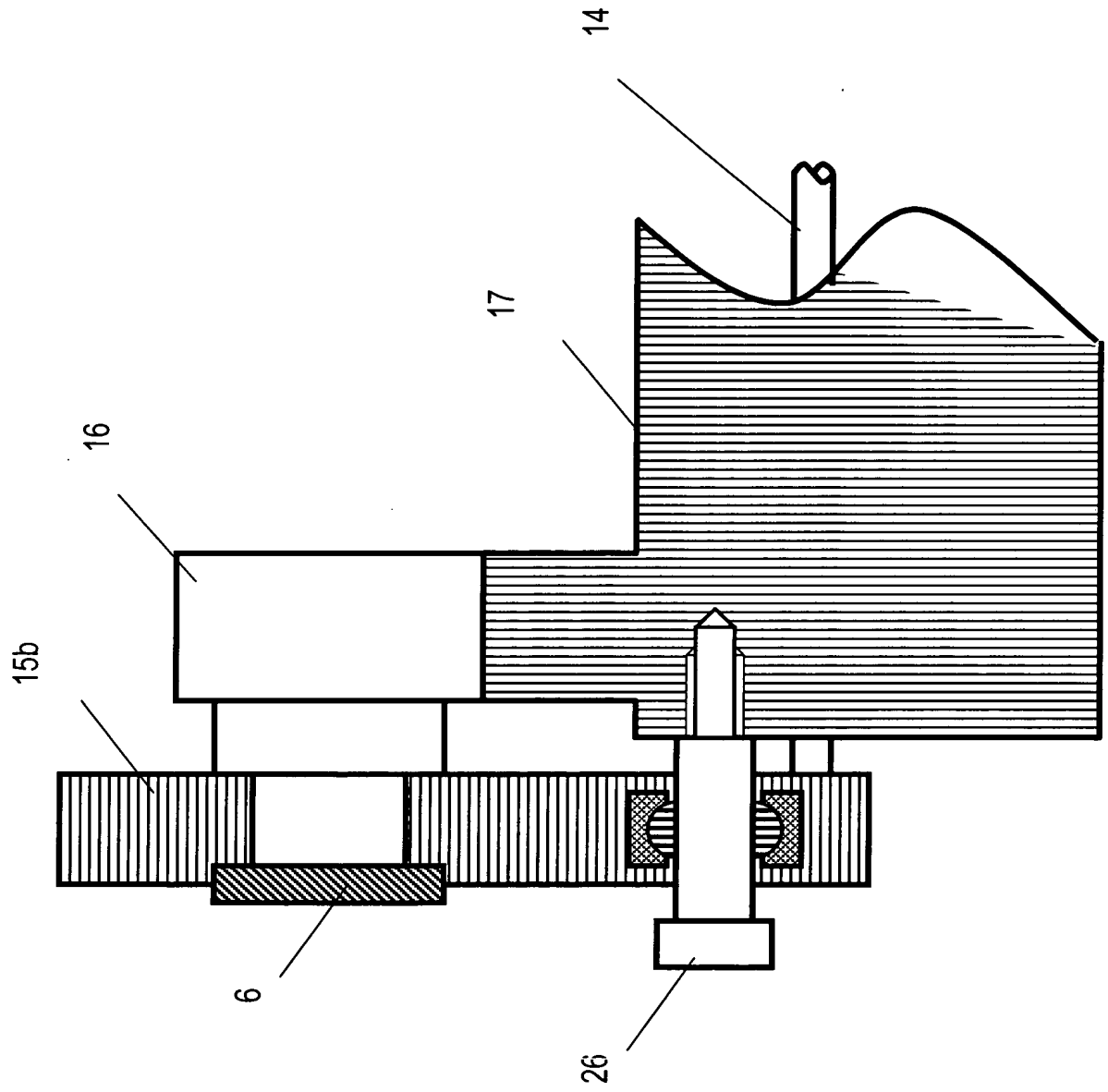
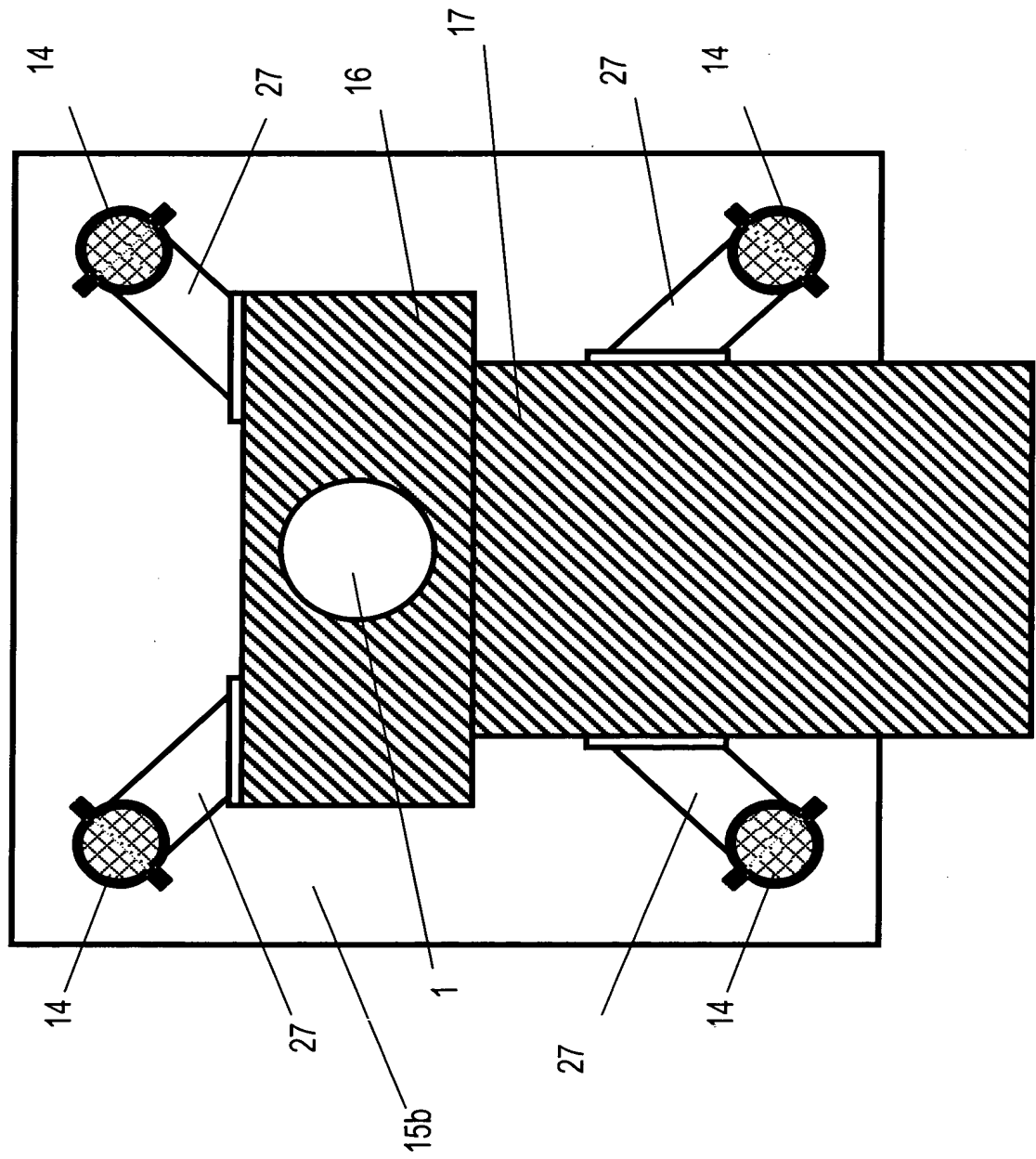


FIG. 5B

7 / 27

FIG.6



8 / 2 7

FIG.7

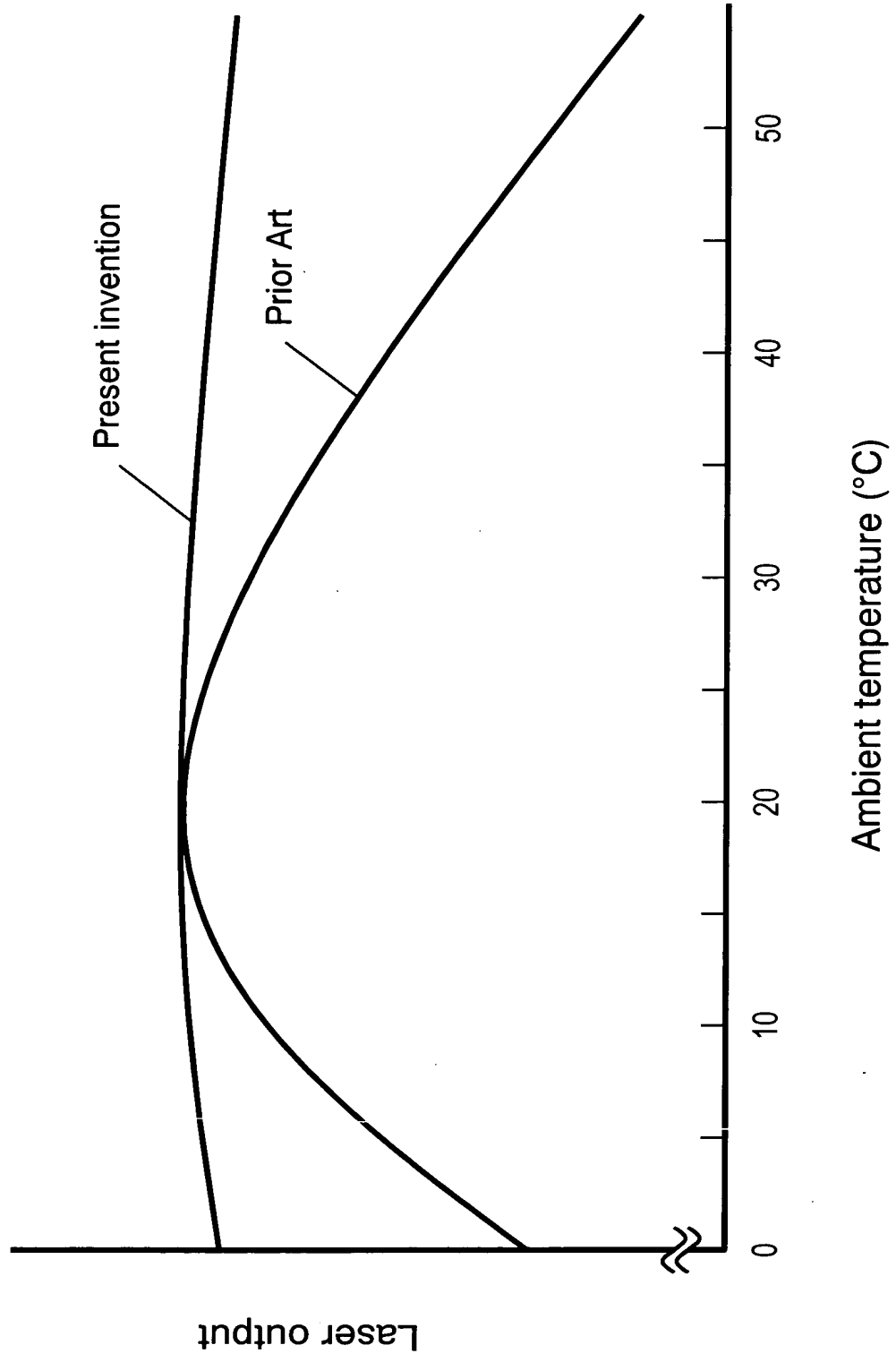


FIG.8

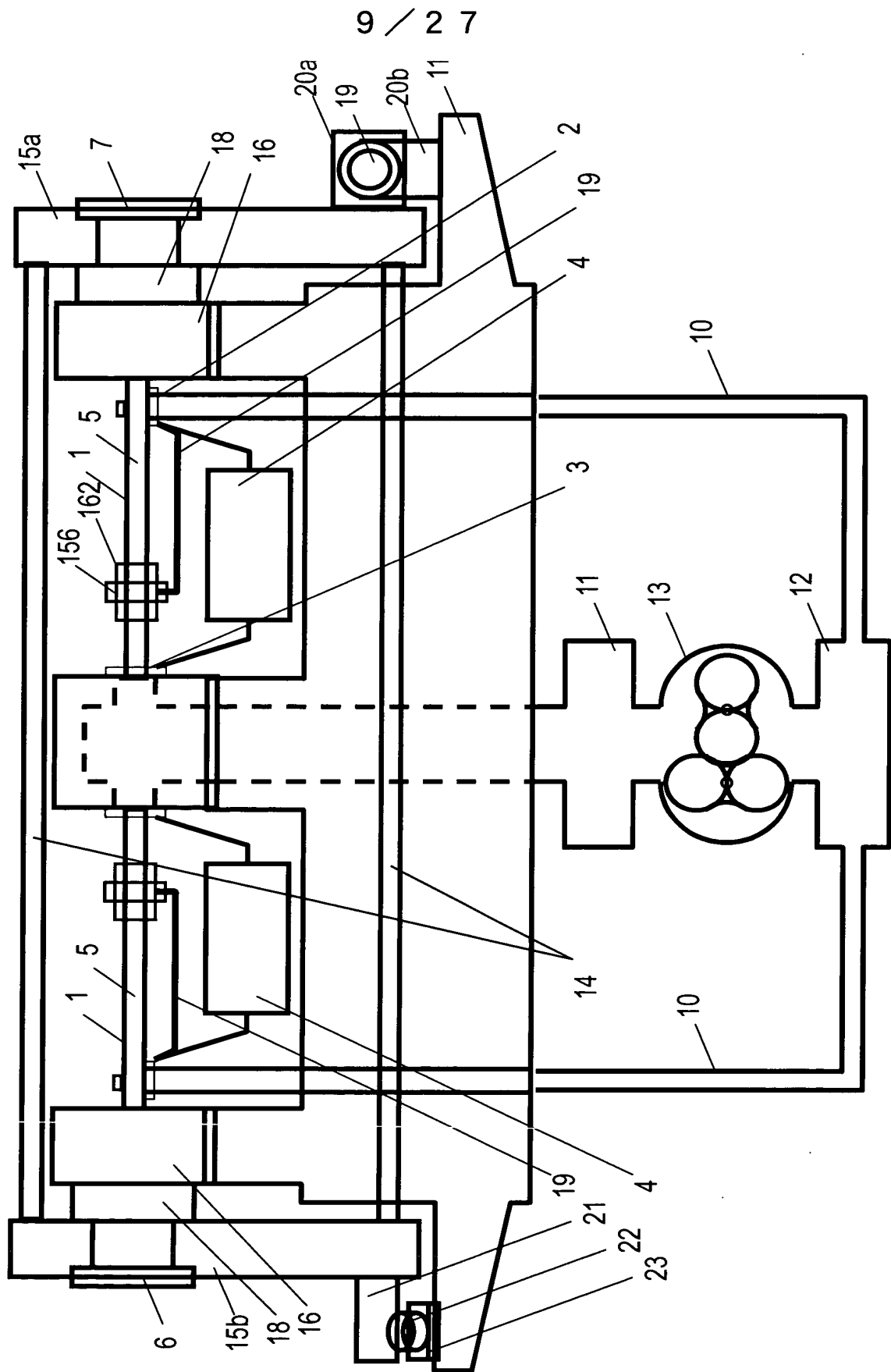


FIG.9

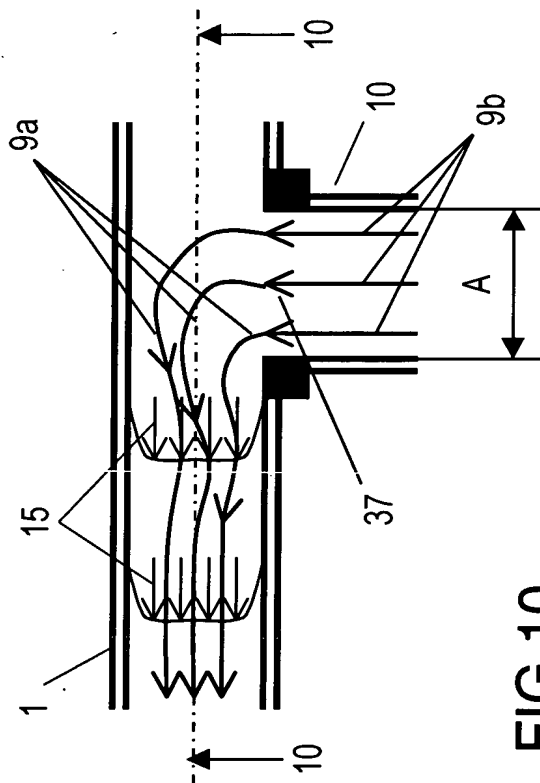


FIG.10

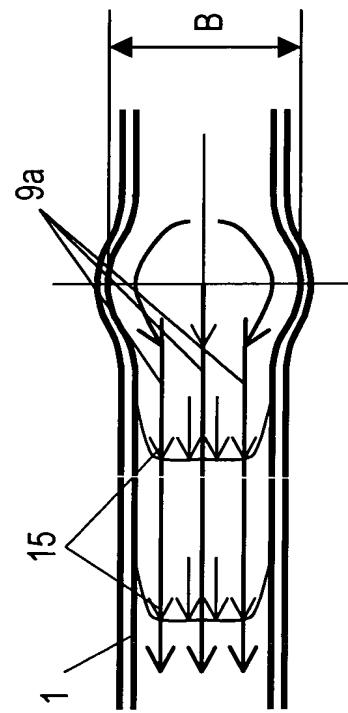
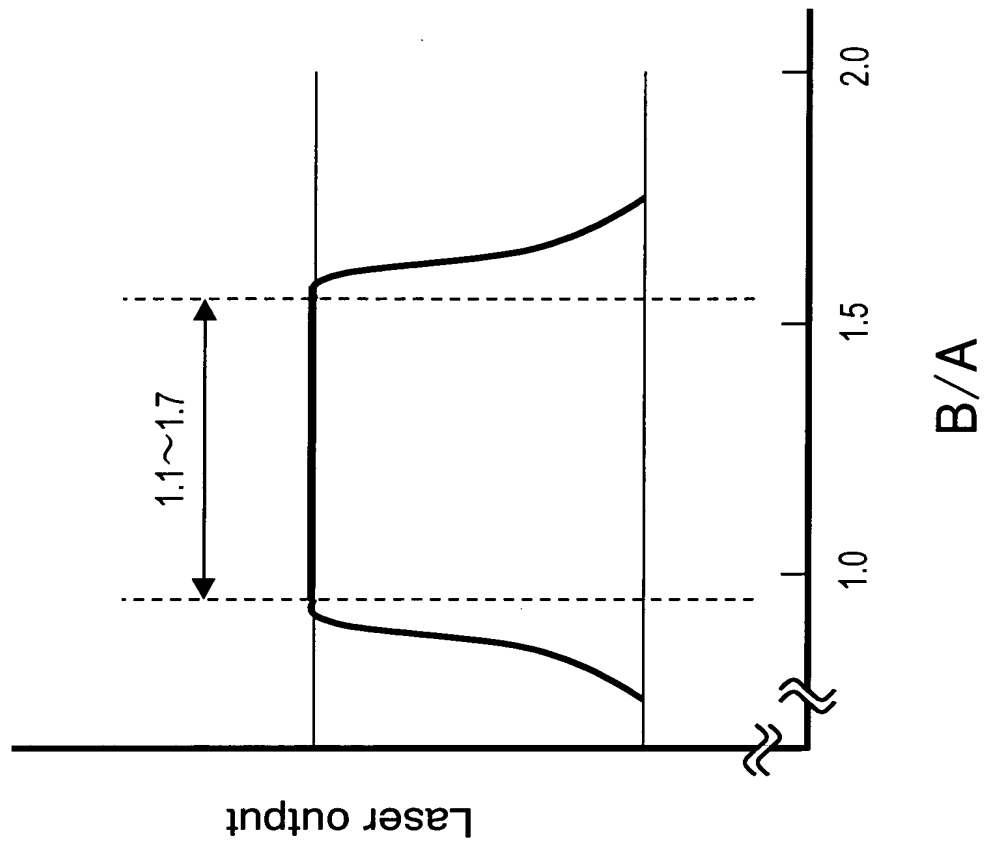


FIG.11



10 / 27

FIG.12

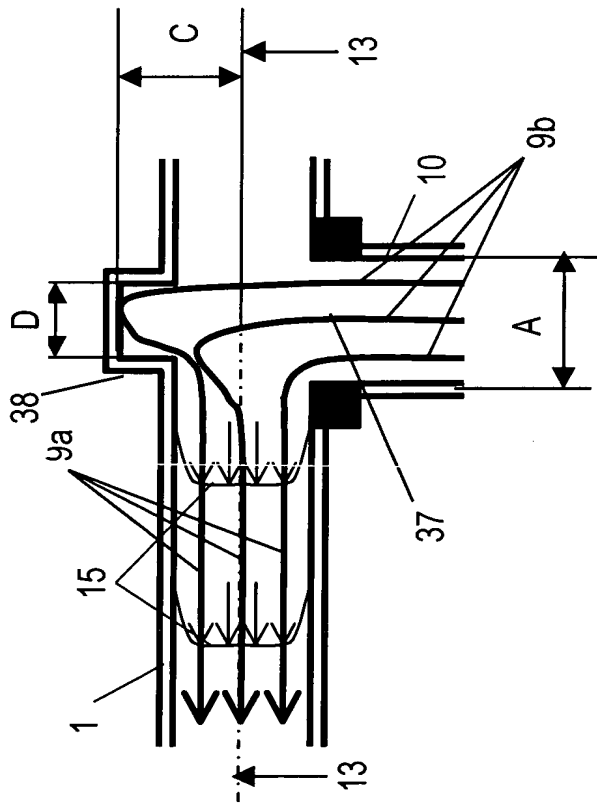


FIG.13

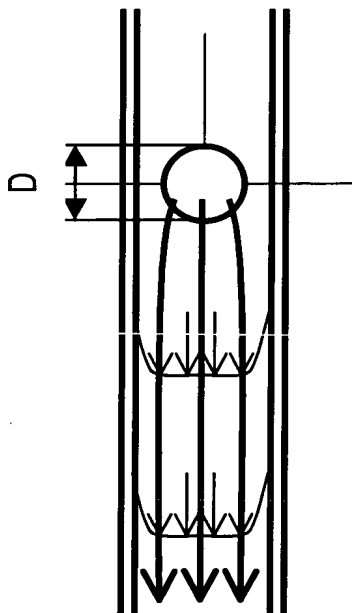


FIG.14

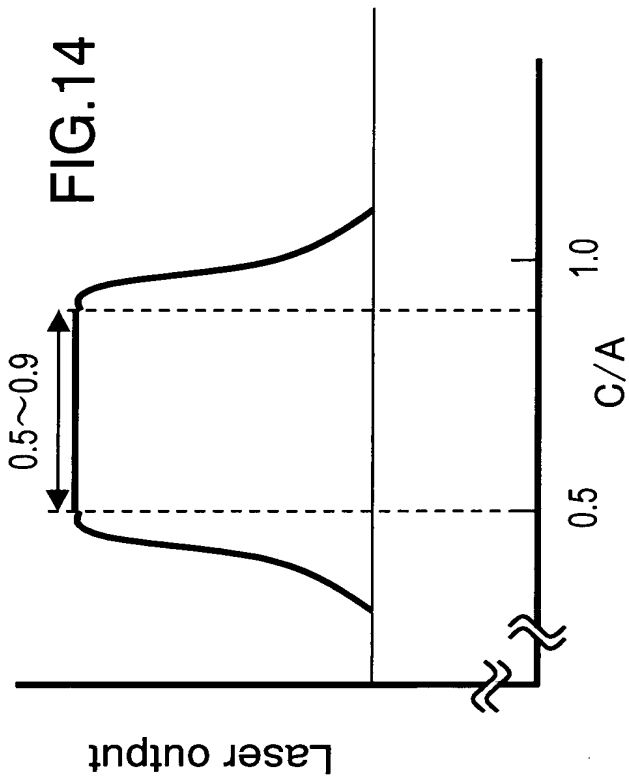


FIG.15

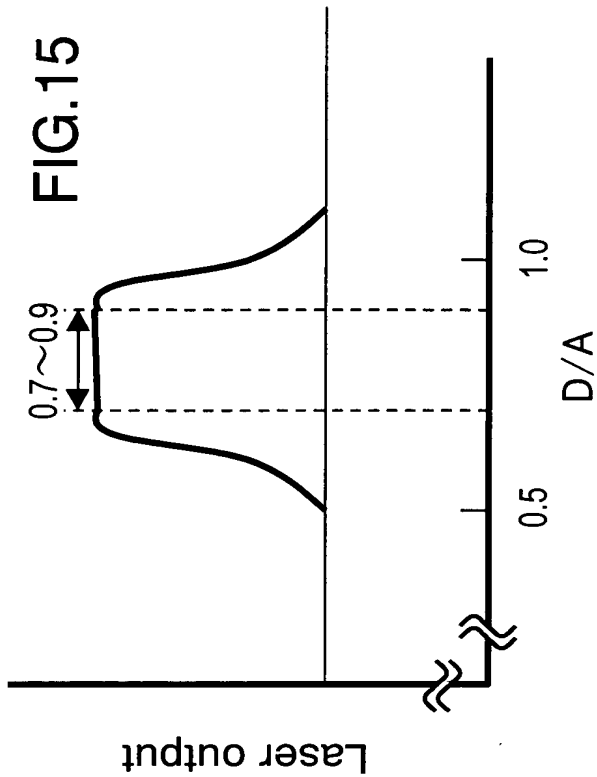


FIG. 18

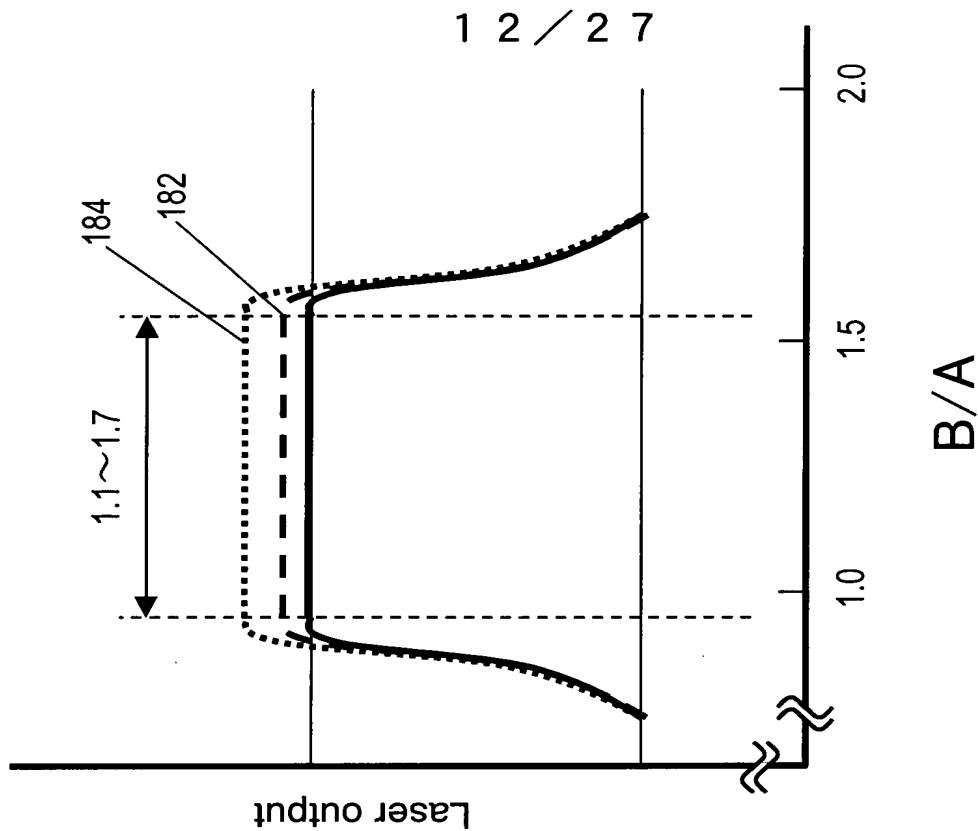
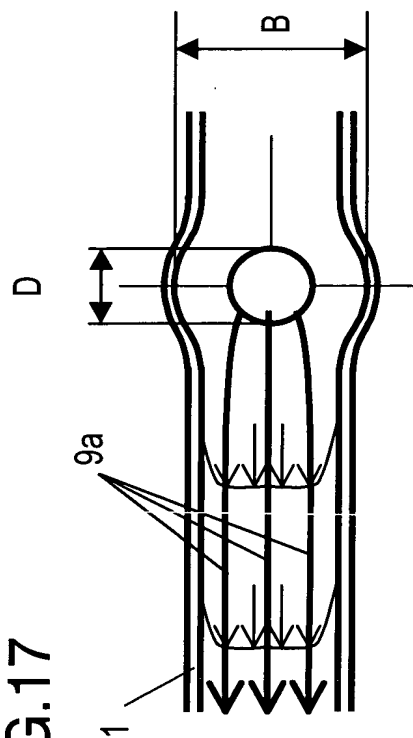


FIG. 17



1 3 / 2 7

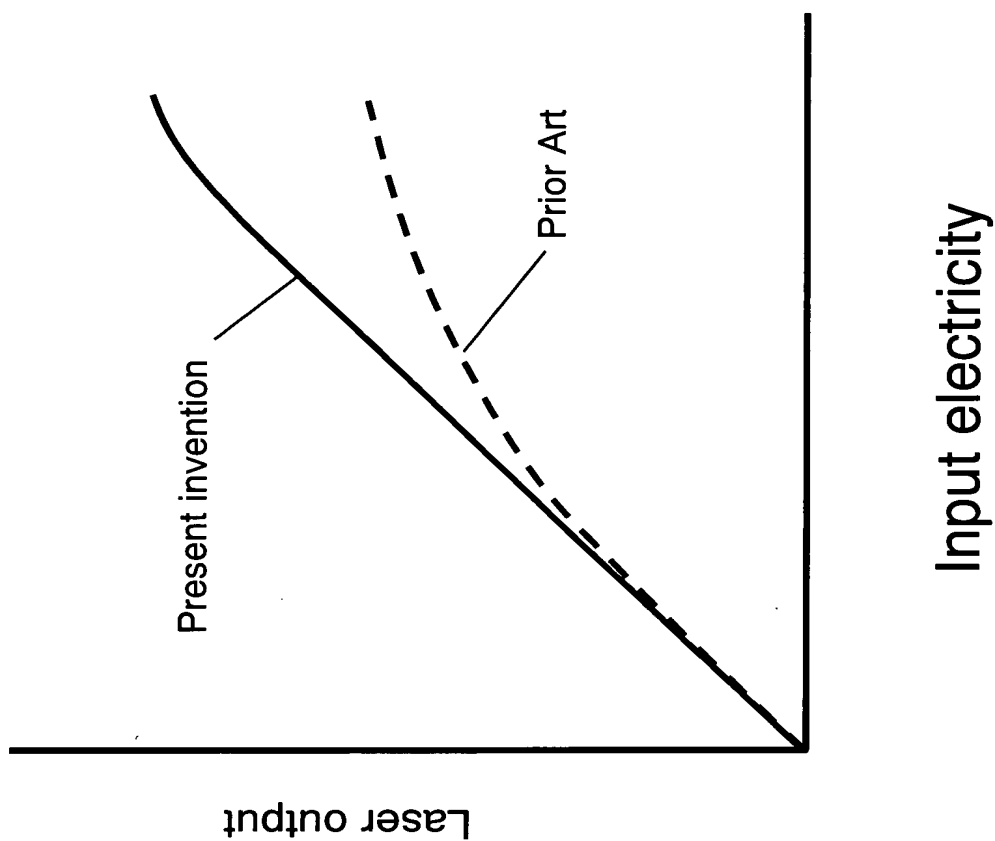
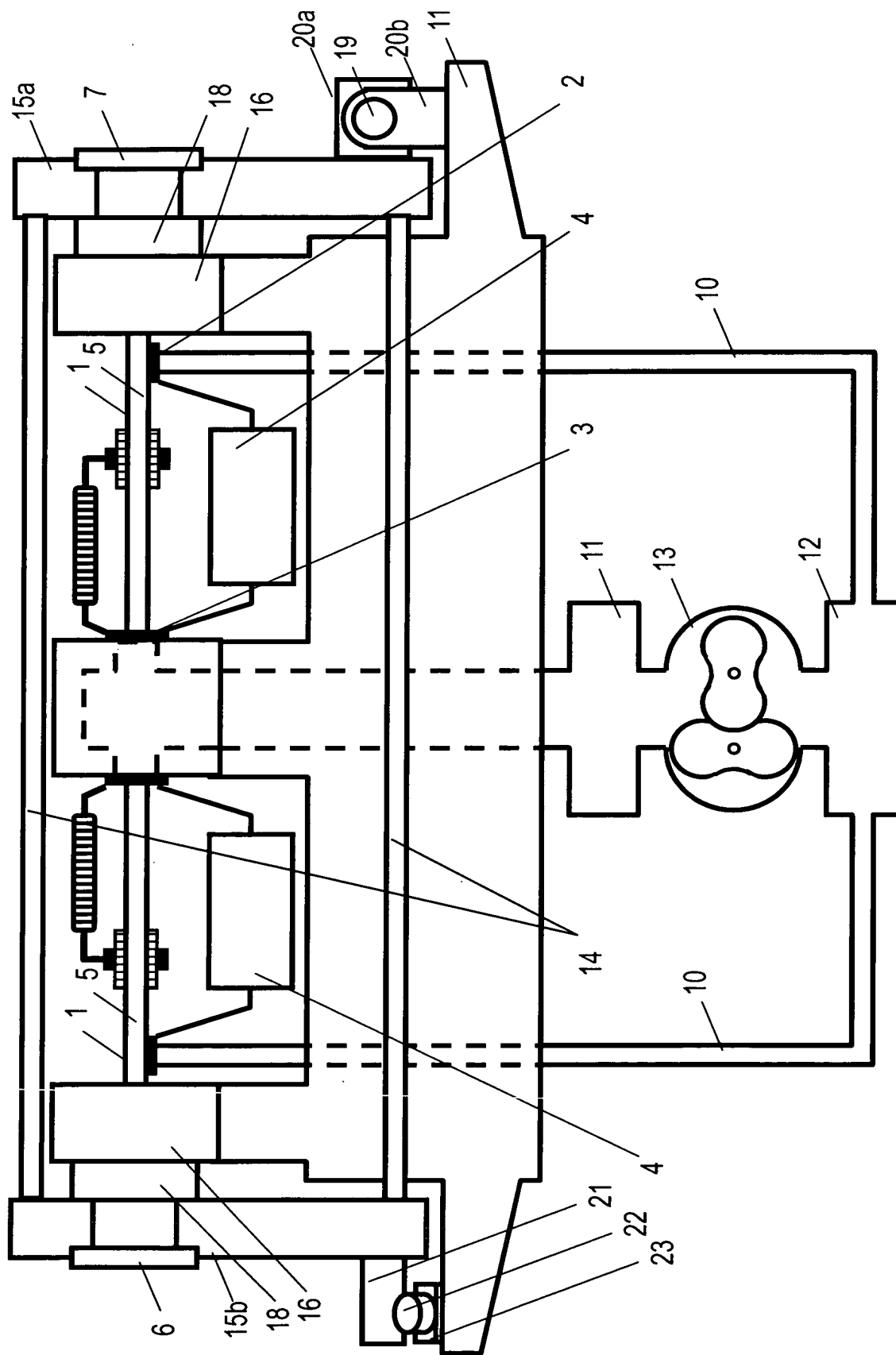


FIG.19

1 4 / 2 7

FIG.20



1 5 / 2 7

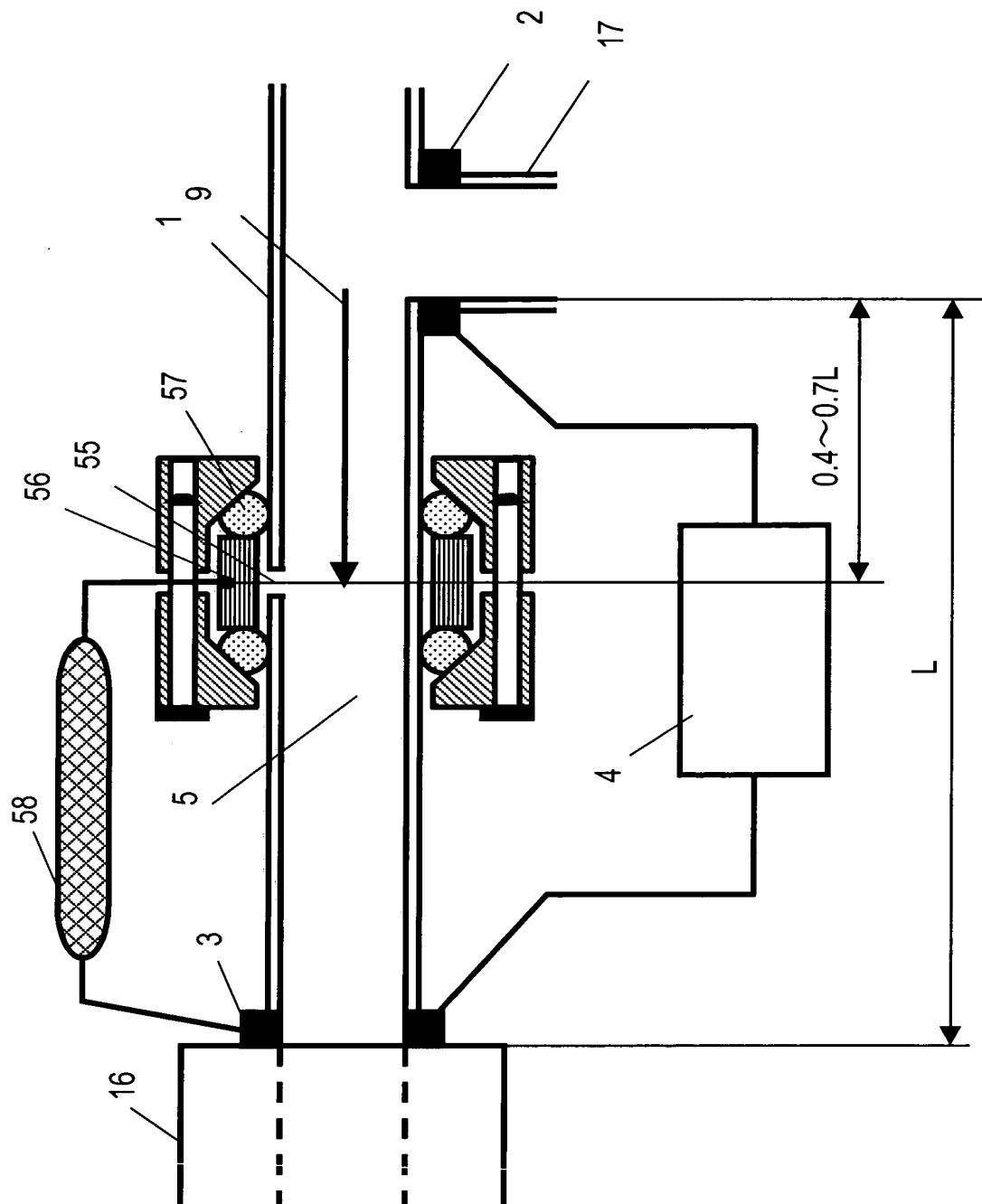


FIG. 21

1 6 / 2 7

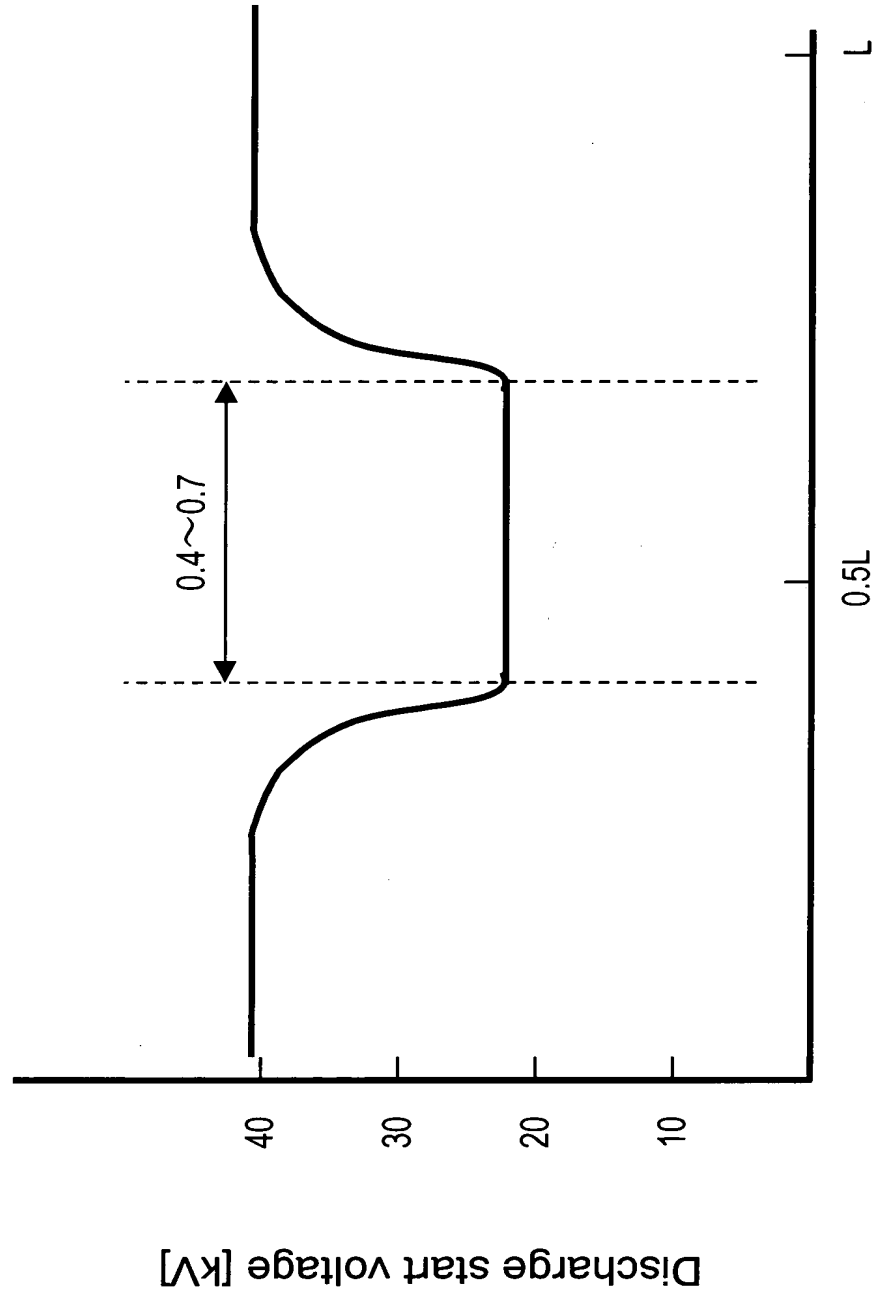


FIG.22

1 7 / 2 7

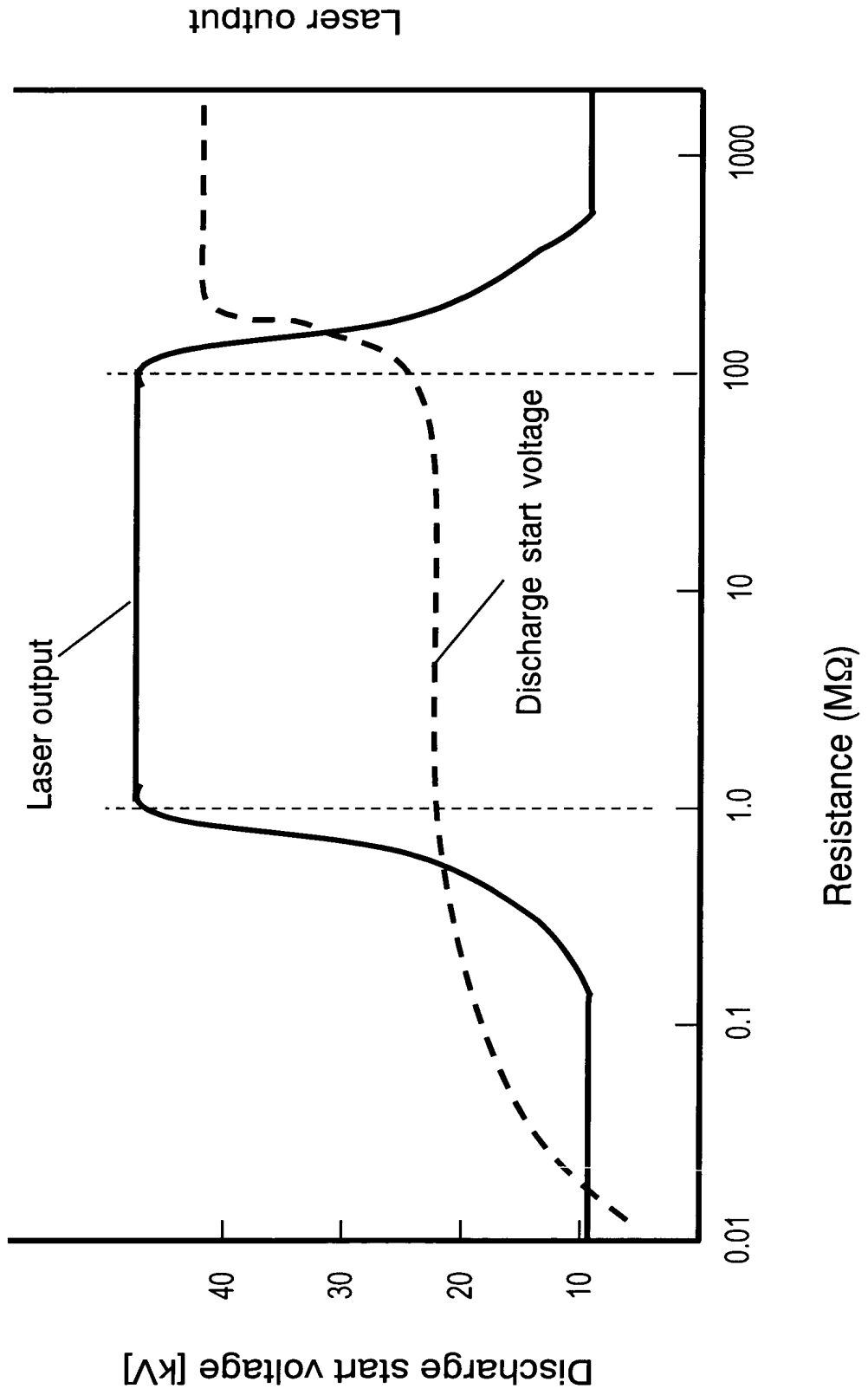
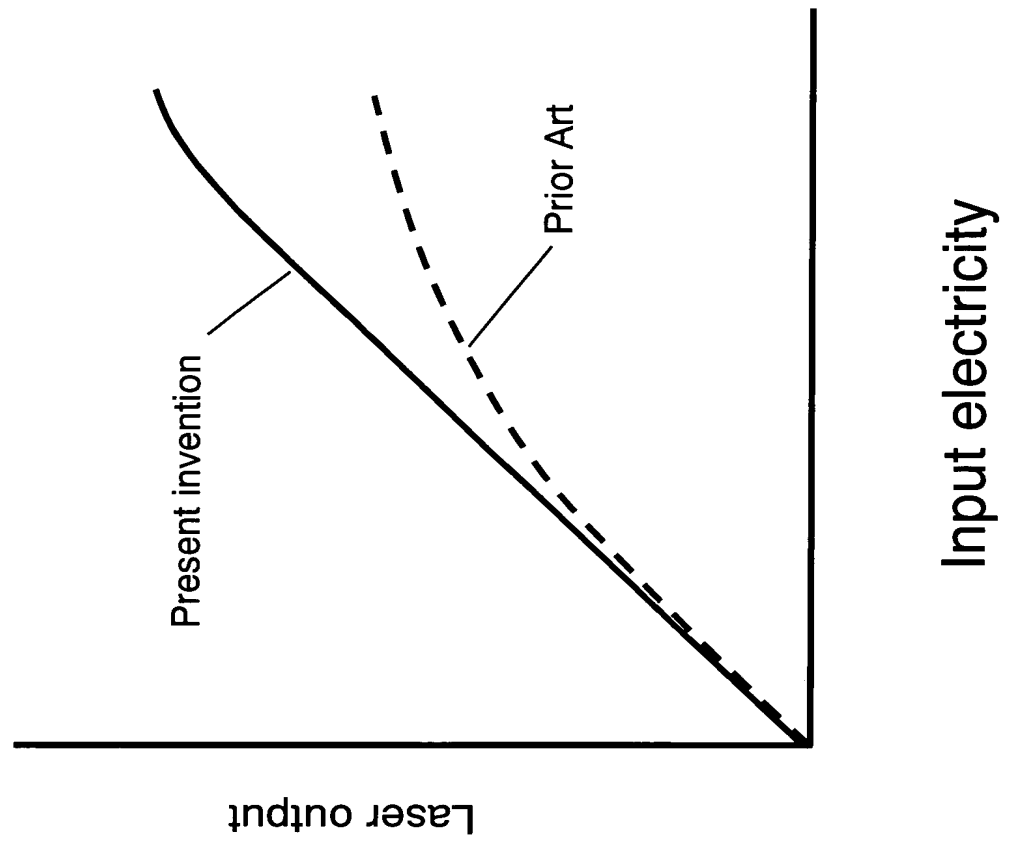


FIG.23

1 8 / 2 7

FIG.24



19 / 27

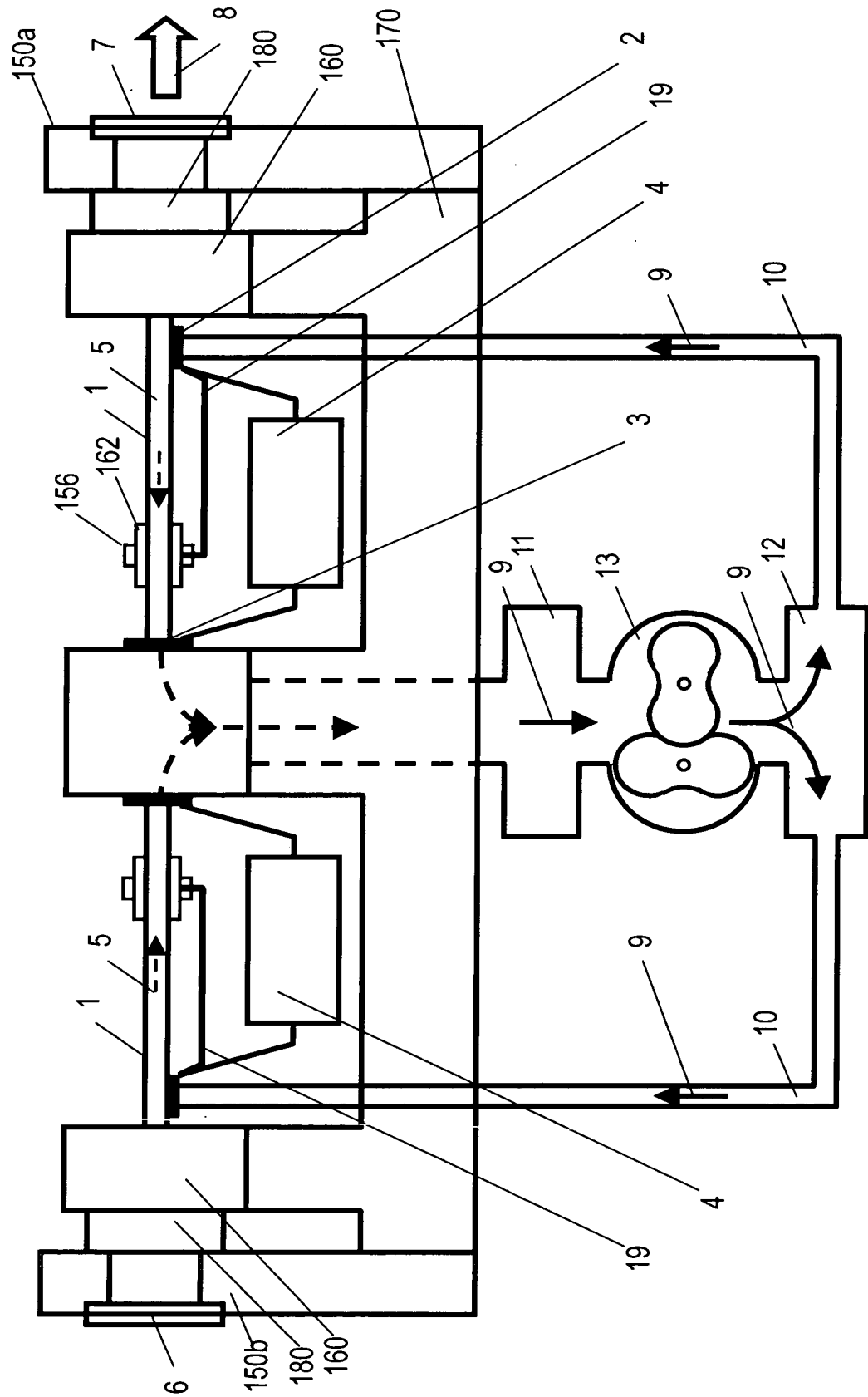
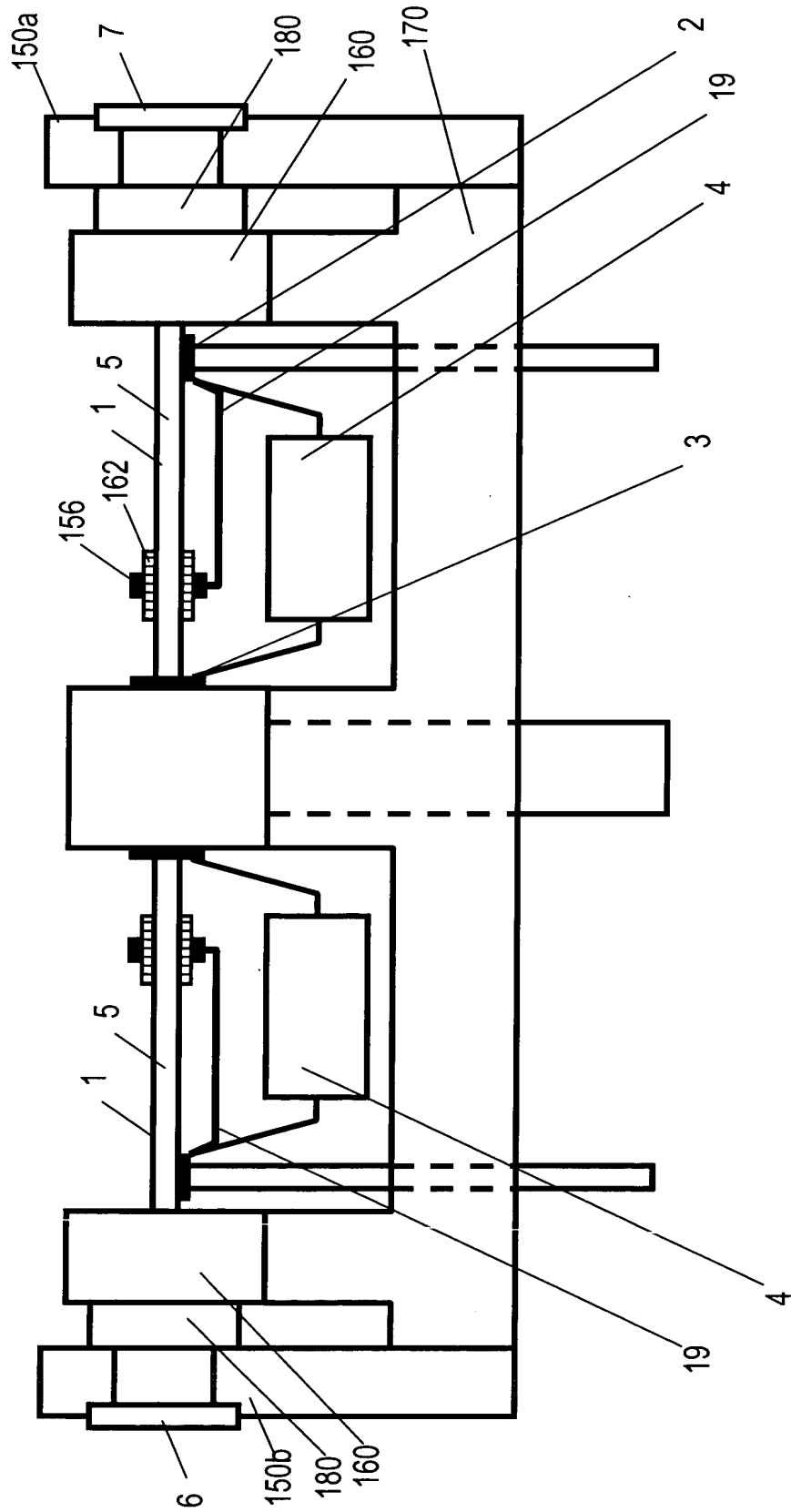


FIG. 25

FIG. 26



21 / 27

FIG.27

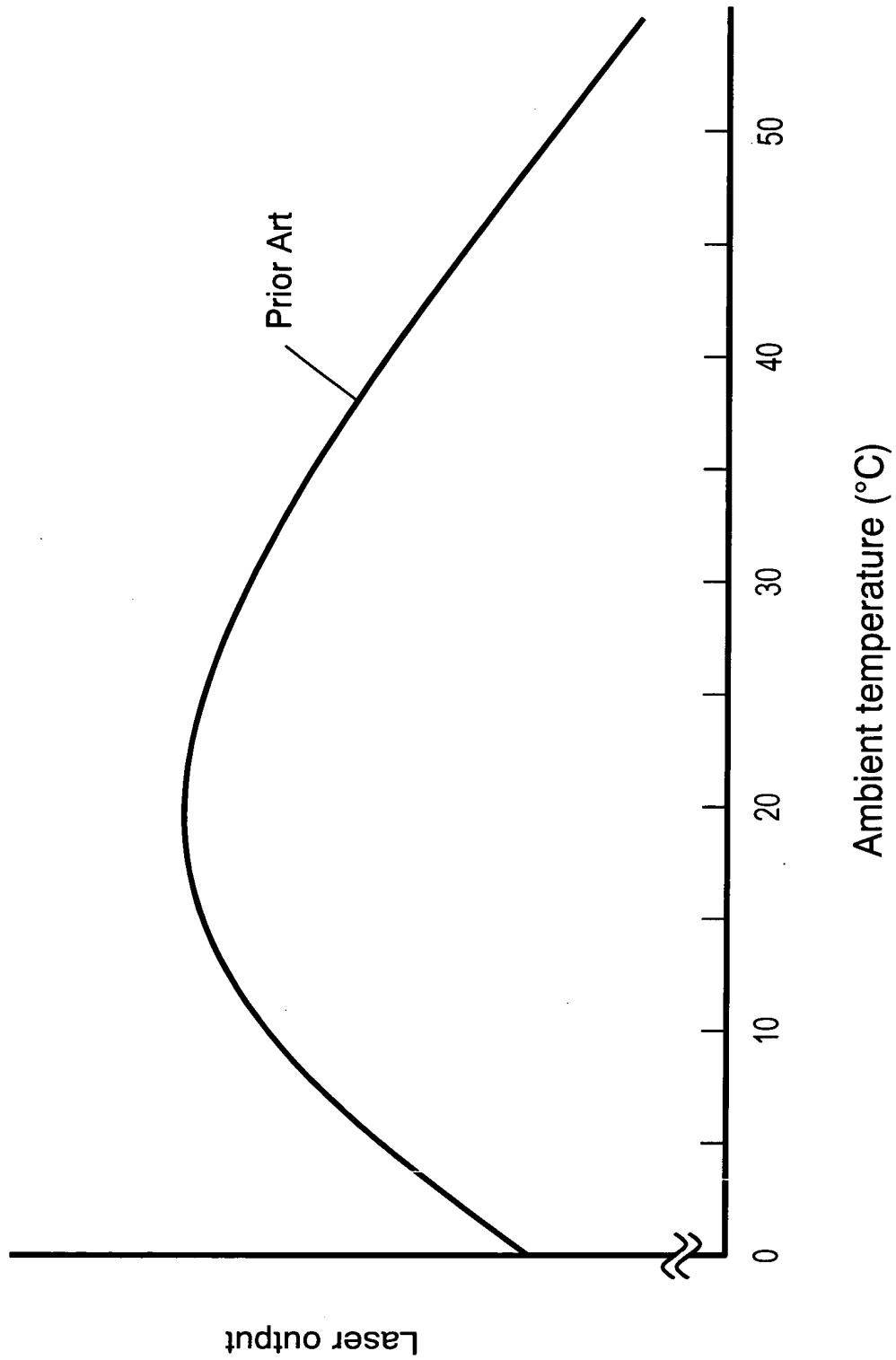


FIG.28

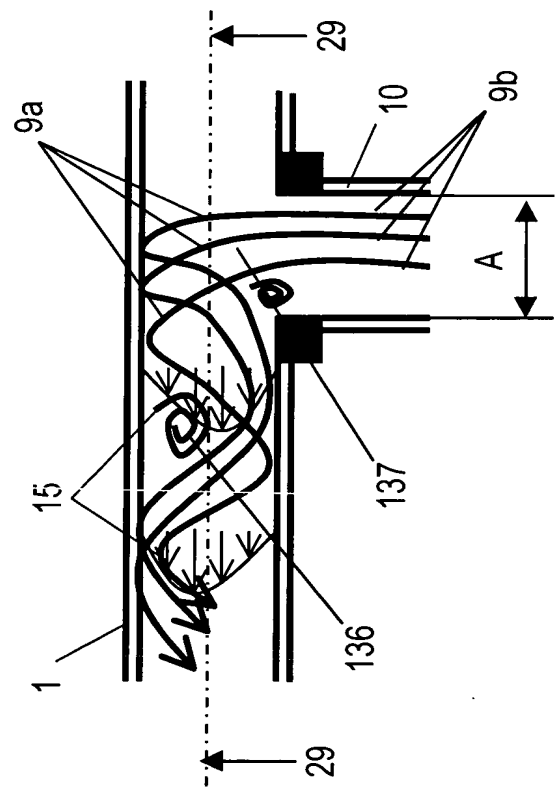


FIG.29

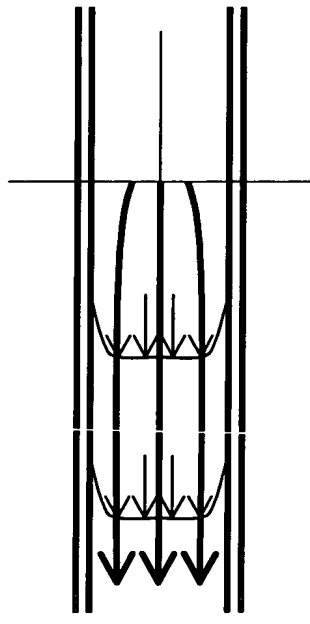
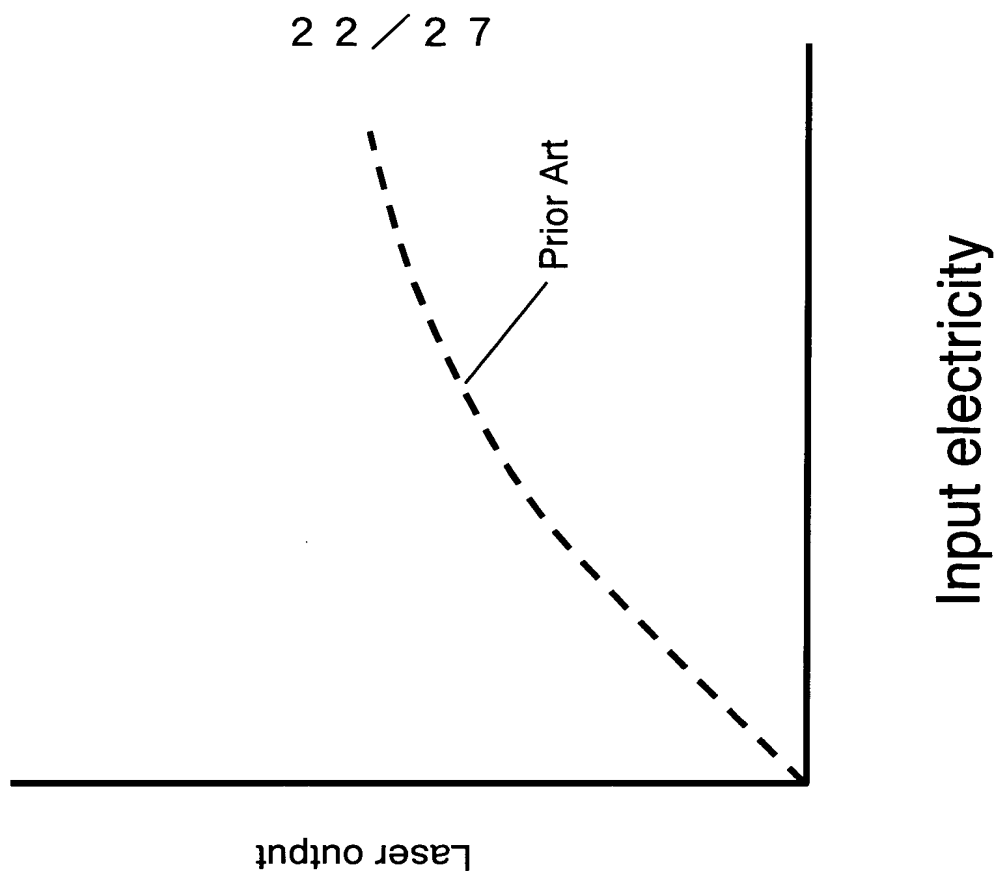


FIG.30



23 / 27

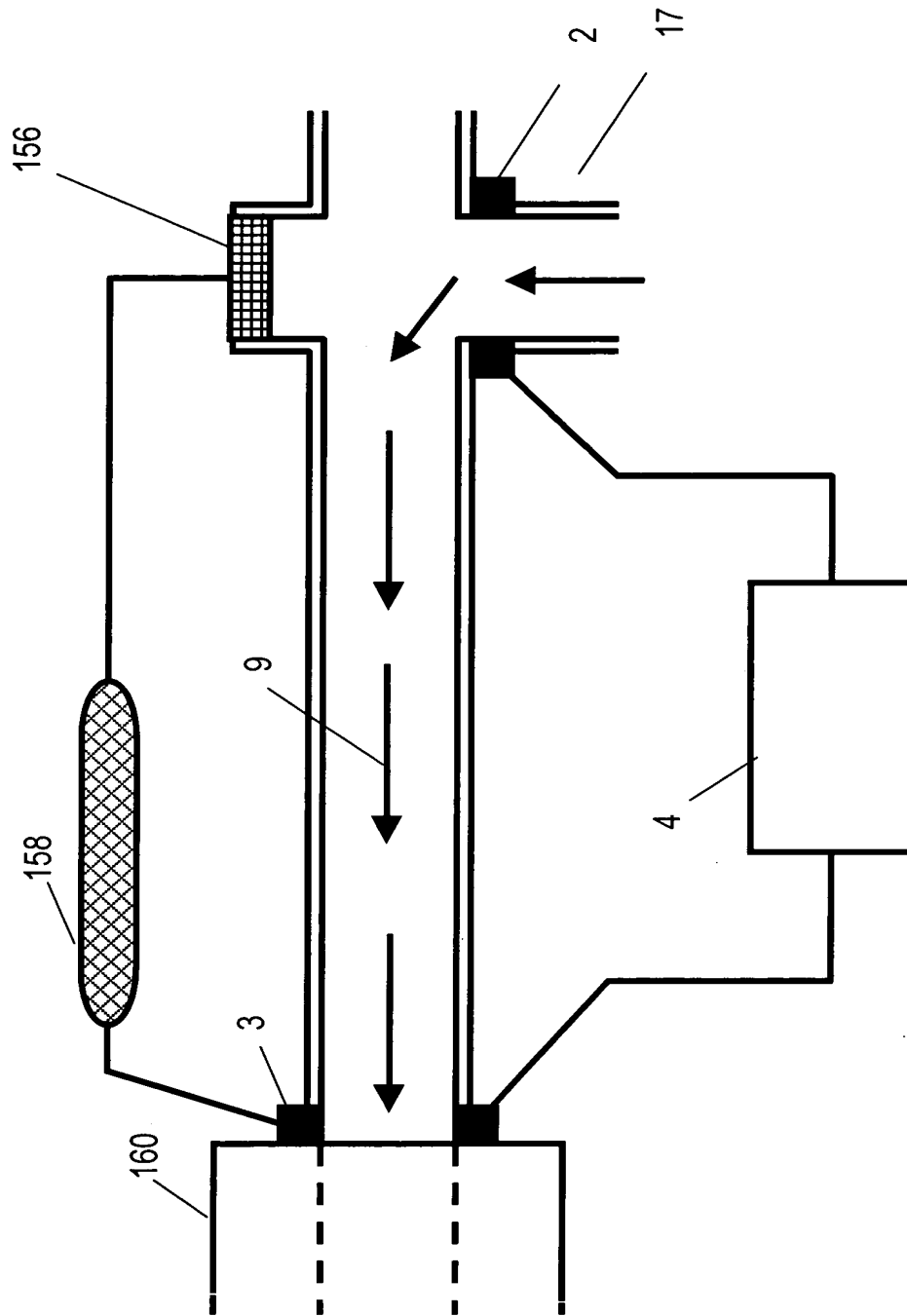
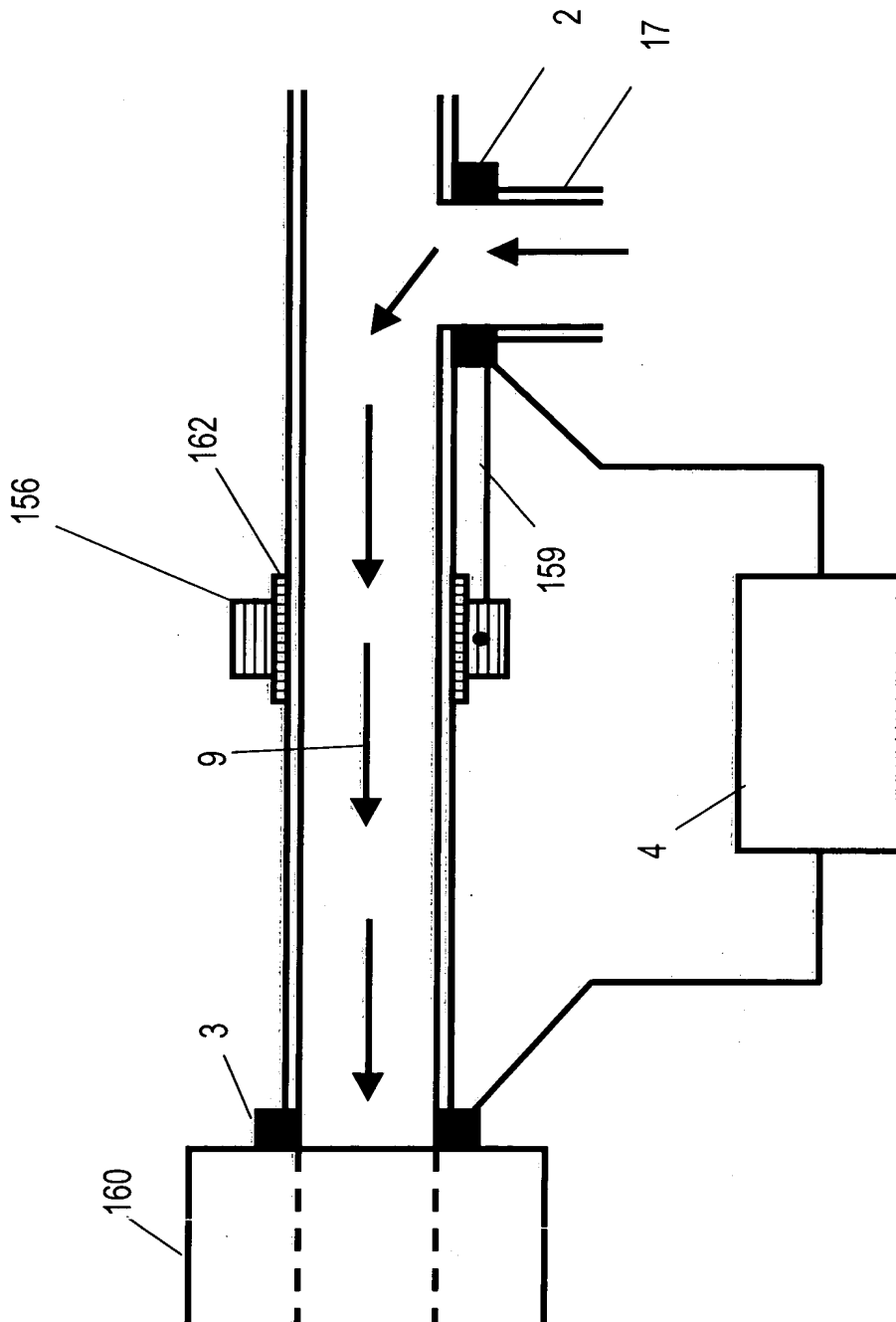


FIG.31

24 / 27

FIG.32



25 / 27

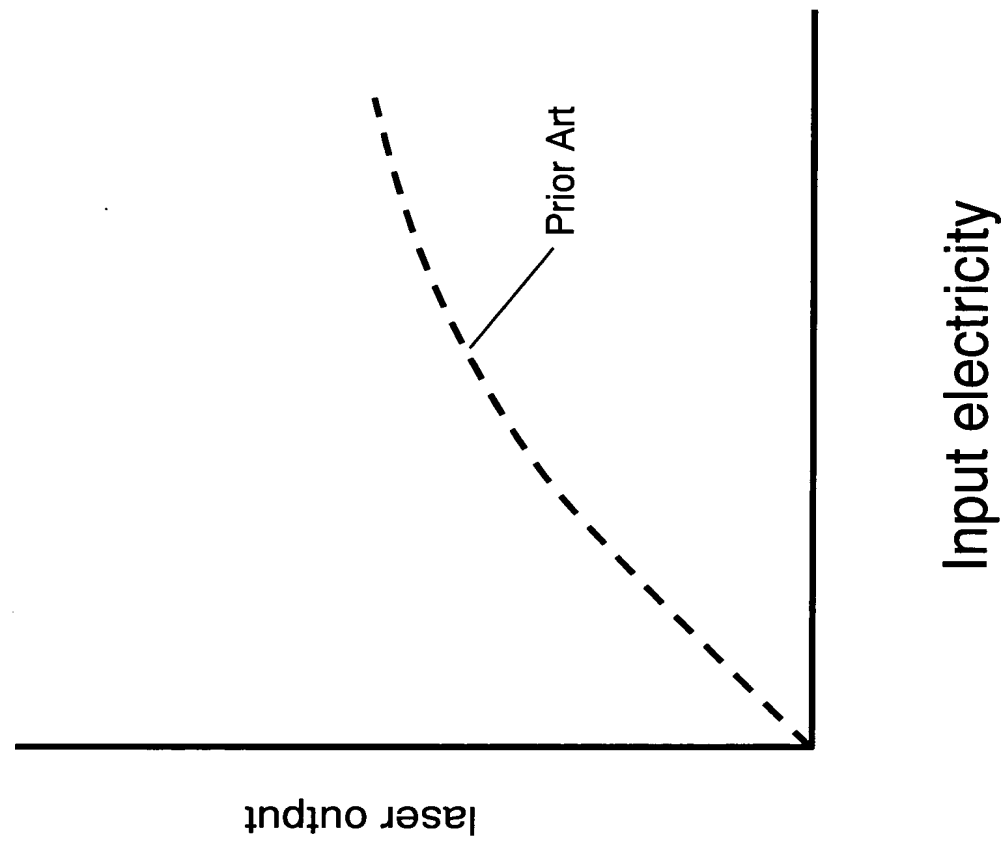


FIG.33

26 / 27

Reference numerals

| | | |
|----|-----------|-------------------------------|
| | 1 | Discharge tube |
| | 2, 3 | Electrode |
| | 4 | Power supply unit |
| 5 | 5 | Discharge area |
| | 6 | Rear mirror |
| | 7 | Output mirror |
| | 8 | Laser beam |
| | 9 | Gas circulation direction |
| 10 | 10 | Laser gas passage |
| | 11, 12 | Heat exchanger |
| | 13 | Blower |
| | 14 | Mirror holder connecting rod |
| | 15a, 150a | Output mirror holder |
| 15 | 15b, 150b | Rear mirror holder |
| | 16, 160 | Discharge tube holder |
| | 17, 170 | Discharge tube holder base |
| | 18, 180 | Connection tube |
| | 19 | Rotary shaft |
| 20 | 20a | Support unit |
| | 20b | Rotary shaft support unit |
| | 21 | Support bar |
| | 22 | Rotating element |
| | 23 | Rotating element support unit |
| 25 | 200 | Rotation support unit |

27 / 27

| | | |
|----|---------|--------------------------|
| | 220 | Slider |
| | 24 | Spring member |
| | 25 | Spring holder |
| | 26 | Pillow ball |
| 5 | 27 | Rib |
| | 36, 136 | Vortex |
| | 37, 137 | Laser gas inlet |
| | 38 | Columnar protrusion |
| | 55 | Hole |
| 10 | 56, 156 | Auxiliary electrode |
| | 57 | O-ring |
| | 58, 158 | High resistance resistor |
| | 59 | Laser gas flow direction |
| | 159 | Conductor |
| 15 | 162 | Insulating sheet |